

ABSTRACT

A clock management system receives an input clock signal having rising edges and falling edges, a first set of data values associated with the rising edges of the input clock signal, and a second set of data values associated with the falling edges of the input clock signal. The clock management system provides a first clock and a second clock in response to the input clock signal. The first clock has a first set of edges that are synchronous with the rising edges of the input clock signal. The second clock has a second set of edges that are synchronous with the falling edges of the input clock signal. The first set of data values are latched in response to the first set of edges of the first clock. The second set of data values are latched in response to the second set of edges of the second clock.